

REMARKS

Claims 1-3 and 6-40 were pending when the Office Action was mailed. Applicants herein amend claims 1, 27, 29, and 35; cancel claims 20-26, and present new claims 41-43. Accordingly, claims 1-3, 6-19, and 27-43 are currently pending.

The Office Action rejects claims 1-3 and 6-40 under 35 U.S.C. § 103(a) over Riconda and Claus. Applicants respectfully traverse these rejections. Nevertheless, applicants herein amend the claims to further clarify the subject matter for which protection is sought.

Applicants would like to thank the Examiner for the consideration extended during the telephone interview conducted on March 12, 2009. During the interview, Examiner Jones, Maurice Pirio, and Anthony Johnson discussed applicants' technology in general and claim 13. As discussed during the interview, applicants' techniques calculate an offset for an image based on the change in position of an object between the image and a previously captured image. To maintain image stability, applicants' techniques adjust both the display of an image and a line-of-sight controller for a camera based on the calculated offset. For example, Claim 13 recites "determining a difference in the location of the object within the image from one frame to the next frame; calculating an inter-frame stabilization adjustment based on the determined difference; adjusting the display of the image based on the inter-frame stabilization" and "calculating a line-of-sight adjustment ... based on the inter-frame stabilization adjustment." Claim 1 now recites "calculating an inter-frame stabilization adjustment based on ... the difference between the location of the object within the image and the location of the object within a previously captured image, the inter-frame stabilization adjustment for adjusting the position of a displayed area of an image" and "adjusting the position of a displayed area of the image based on the inter-frame stabilization adjustment." Claim 27 now recites "provid[ing] frame-to-frame image stabilization based on a change in location of an object within the images by adjusting the display of

the images" and "provid[ing] to the mechanical line-of-sight controller a new line-of-sight adjustment rate derived from the change in location of an object within the images." Claim 35 now recites "calculating inter-frame stabilization adjustments based on the change in location of an object in a succession of image frames," "moving the viewport in accordance with the calculated inter-frame stabilization adjustments," and "calculating line-of-sight adjustments for the line-of-sight controller based on the inter-frame stabilization adjustments." Newly added claim 41 recites "determining an image pixel offset in the scan direction, IPO(S), based on the difference in the position of the object in the first and second images," "determining a pixel offset in the scan direction, PO(S), based on IPO(S)," "adjusting the display of an image on a display device of the camera stabilization system based on PO(S)," "converting PO(S) to a corresponding scan angle based on the field of view of the camera," and "adjusting the velocity of the line-of-sight controller based on the scan angle." During the interview, the Examiner agreed that the relied-upon references fail to describe or suggest adjusting an image and a line-of-sight controller for a camera based on an offset determined in part on the change in location of an object between captured images. Should the Examiner have any questions or need any additional information regarding the interview, she is encouraged to contact Maurice Pirio at 206-359-8548.

In view of the above amendments and remarks, applicants believe the pending application is in condition for allowance and respectfully request reconsideration and a prompt Notice of Allowance.

Please charge any deficiency in fees or credit any overpayment to our Deposit Account No. 50-0665, under Order No. 367618016US1 from which the undersigned is authorized to draw.

Dated: April 14, 2009

Respectfully submitted,

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